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MAY 4 2011

PUBLIC SERVICE  
COMMISSION

May 3, 2011

Director of Engineering  
Public Service Commission  
P.O. Box 615  
Frankfort, Kentucky 40602

RE: Administrative Case No. 2006-00494

On March 11, 2011 Kenergy submitted annual reliability reports as described in the October 26, 2007 order. Since that time, a calculation error was discovered. Errors have been corrected and are reflected in the attached document. Please accept our apology for any inconvenience this may have caused.

If you have further questions, please feel free to call.

Sincerely,

Gerald R. Ford, P.E.  
Vice President of Operations

Enclosures

# Electric Distribution Utility Annual Reliability Report

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## SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	Kenergy Corp
REPORT PREPARED BY	1.2	Robert Hayden
E-MAIL ADDRESS OF PREPARER	1.3	<a href="mailto:rhayden@kenergycorp.com">rhayden@kenergycorp.com</a>
PHONE NUMBER OF PREPARER	1.4	800-844-4832

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## SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2010
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## SECTION 3: MAJOR EVENT DAYS

$T_{MED}$	3.1	28.894
FIRST DATE USED TO DETERMINE $T_{MED}$	3.2	1/1/2007
LAST DATE USED TO DETERMINE $T_{MED}$	3.3	12/31/2009
NUMBER OF MED IN REPORT YEAR	3.4	0

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NOTE: Per IEEE 1366  $T_{MED}$  should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

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## SECTION 4: SYSTEM RELIABILITY RESULTS

### **Excluding MED**

SAIDI	4.1	107.154
SAIFI	4.2	1.702
CAIDI	4.3	62.966

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### **Including MED (Optional)**

SAIDI	4.4	107.154
SAIFI	4.5	1.702
CAIDI	4.6	62.966

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### Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
  - 2) Reports are due on the first business day of April of each year
  - 3) Reports cover the calendar year ending in the December before the reports are due.
  - 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and  $T_{MED}$
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# Electric Distribution Utility Annual Reliability Report

## SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION		SAIDI VALUE
170 Right Of Way all causes	5.1.1	18.7232
108 Big Rivers (power supply)	5.1.2	12.1544
137 Equipment Failure(overhead)	5.1.3	9.50014
143 Fuse Blown(M5-10 lightning)	5.1.4	7.57202
161 Pole Broken ( wind)	5.1.5	6.86255
199 other cause	5.1.6	6.51184
190 Unknown	5.1.7	4.70625
103 Conductor Failure ACSR	5.1.8	4.66906
162 Pole Broken(public)	5.1.9	4.59092
193 No Cause Found (stormy)	5.1.10	3.5905

CAUSE CODE DESCRIPTION		SAIFI VALUE
108 Big Rivers (power supply)	5.2.1	0.3442
170 Right Of Way all causes	5.2.2	0.2475
199 other cause	5.2.3	0.1639
137 Equipment Failure(overhead)	5.2.4	0.1428
143 Fuse Blown(M5-10 lightning)	5.2.5	0.0919
190 Unknown	5.2.6	0.088
162 Pole Broken(public)	5.2.7	0.0819
163 Public(tore wire down)	5.2.8	0.0588
136 Combination Unit Failure	5.2.9	0.0514
103 Conductor Failure ACSR	5.2.10	0.0472

## SECTION 6: WORST PERFORMING CIRCUITS

Excluding MED

CIRCUIT IDENTIFIER		SAIDI VALUE	MAJOR OUTAGE CATEGORY
082-03	6.1.1	450.8	161 Pole Broken (wind)
082-02	6.1.2	402.6	161 Pole Broken (wind)
041-04	6.1.3	395.95	137 Equipment Failure (overhead)
049-02	6.1.4	317.26	137 Equipment Failure (overhead)
031-03	6.1.5	289.38	189 Tie Wire (broken)
052-02	6.1.6	288.82	199 other cause
025-07	6.1.7	282.16	110 Conductor Failure (UG Primar
040-03	6.1.8	275.96	199 Other Cause
085-01	6.1.9	269.16	193 No Cause Found(stormy cond
071-03	6.1.10	268.48	103 Conductor Failure ACSR

CIRCUIT IDENTIFIER		SAIFI VALUE	MAJOR OUTAGE CATEGORY
018-04	6.2.1	4.5851	199 Other Cause
049-02	6.2.2	4.3559	137 Equipment Failure (overhead)
085-01	6.2.3	4.3053	160 Pole Failure (decay)
018-01	6.2.4	4.1611	137 Equipment Failure (overhead)
061-03	6.2.5	4.0651	170 Right Of Way all causes
041-04	6.2.6	4.0119	137 Equipment Failure (overhead)
040-03	6.2.7	3.8544	163 Public (tore wire down)
020-05	6.2.8	3.8243	137 Equipment Failure (overhead)
031-01	6.2.9	3.5886	167 Prearranged Maintenance
066-02	6.2.10	3.4578	174 Transformer Failure (substatic

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Additional pages may be attached as necessary

## SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Kenergy's Vegetation Management efforts are continually evaluated to ensure adequacy and effectiveness. During 2010, approximately 1,165 miles of line were cleared which is consistent with the cycle length outlined in Kenergy's Vegetation Management Plan (not to exceed six years). The 2011 scope of work has been developed and is also consistent with Kenergy's cycle length. At this point, Kenergy does not anticipate any significant modifications to the vegetation management program in 2011.

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## SECTION 8: UTILITY COMMENTS

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